

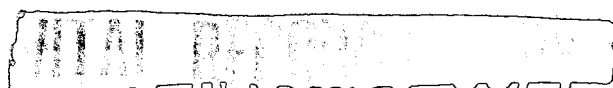


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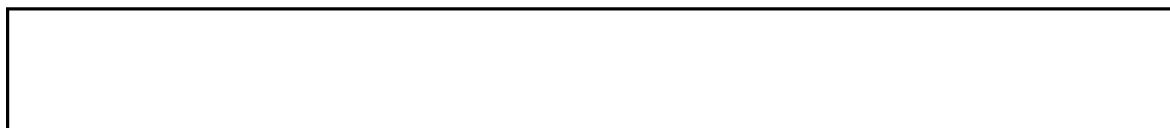
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PHOTOGRAPHIC INTELLIGENCE REPORT



VOLKHOV YAR RADIOASTRONOMY STATION
VOLKHOV YAR, USSR

Declass Review
by NIMA/DOD



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CIA/PIR 65064

DATE Dec. 1965

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VOLKHOV YAR RADIOASTRONOMY STATION
VOLKHOV YAR, USSR

The Volkhov Yar Radioastronomy Station is located at approximate geographic coordinates of 49 37N - 36 57E and is 1.5 nautical miles northwest of the village of Volkhov Yar, USSR. It is also 10 nautical miles northeast of Balakleya and 16 nautical miles southeast of Chuguyev. The station is situated on the northeast side of the road from Chuguyev in a secured, irregularly shaped area (Figures 2 and 3).

The principal feature of this station is a "T-shaped" interferometer with a long north-south arm and a short east-west arm. A probable instrumentation building is located at the intersection of the two arms. Azimuths with respect to true north were determined for the two arms and found to be for the north-south arm and for the east-west arm (both accurate to $\pm 5^\circ$). The lengths of the arms were also measured with the following results (numbers refer to Figure 3):

(a) North-south arm:	1-2	3065 feet
	2-3	3065 feet
Total	1-3	6130 feet

(b) East-west arm:	4-5	3065 feet
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(all measurements to within ± 30 feet)

The inset to Figure 3, a ground photo from a Soviet source, reportedly shows some of the antennas which make up the Volkhov Yar interferometer.

All measurements have been made by the NPIC Technical Intelligence Division and are considered to be accurate to the extent previously indicated.

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REFERENCES

MAPS OR CHARTS

General Locator Map, USSR (UNCLASSIFIED)

U.S. Air Target Chart, Series 200, Sheet 0234-12HL, 3rd Edition, January 1964 and Sheet 0234-17HL, 2nd Edition, April 1963 (SECRET)

Army Map Service, Series N501, NM 37-7, Edition 3-AMS, December 1960 (UNCLASSIFIED)

DOCUMENT

CIA/PIR-1001/65 (TOP SECRET

GROUND PHOTO

CIA No. 1041982 (CONFIDENTIAL)

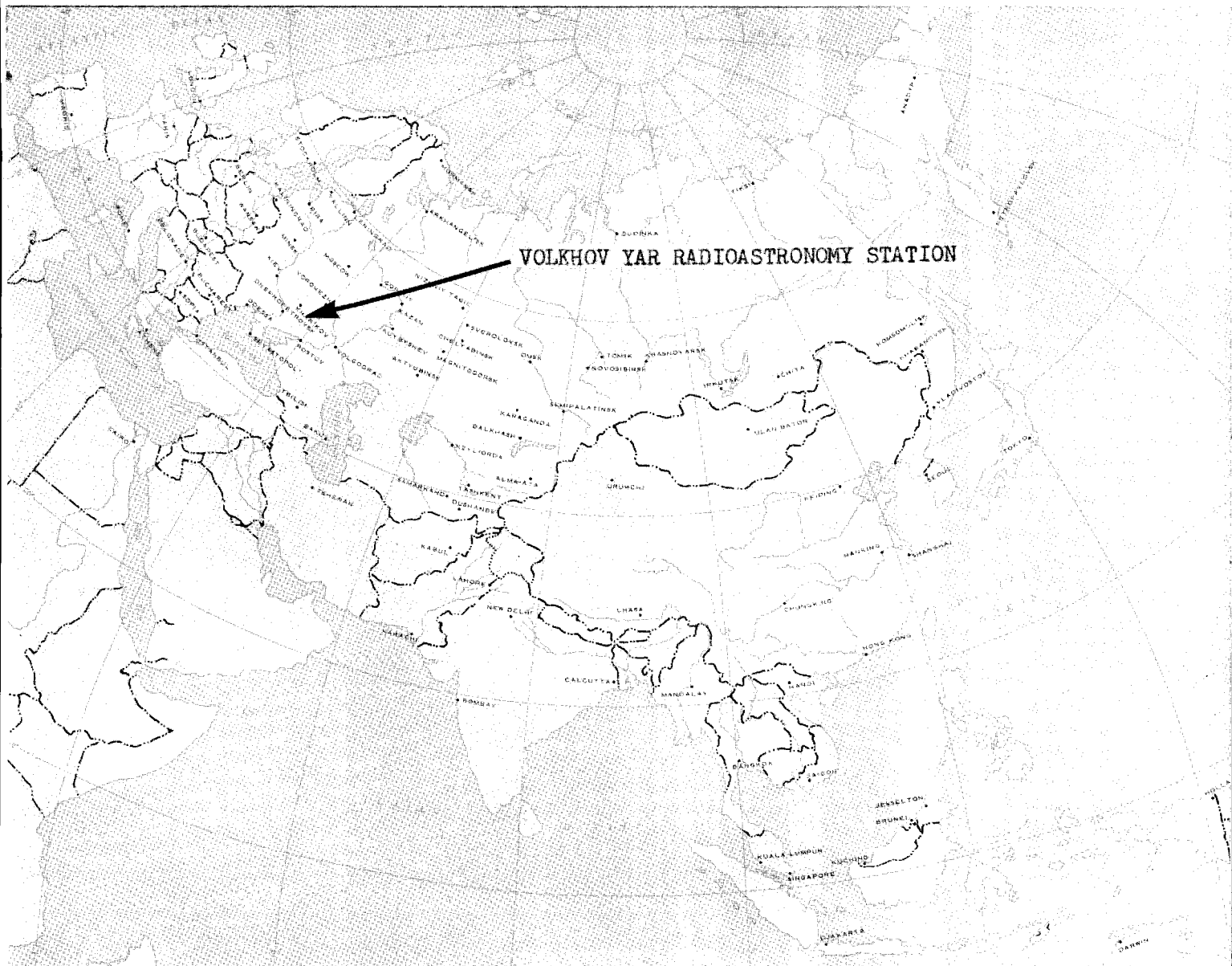
REQUIREMENT

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PROJECT

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PREPARED BY - CHEMICAL AND SCIENTIFIC SECTION
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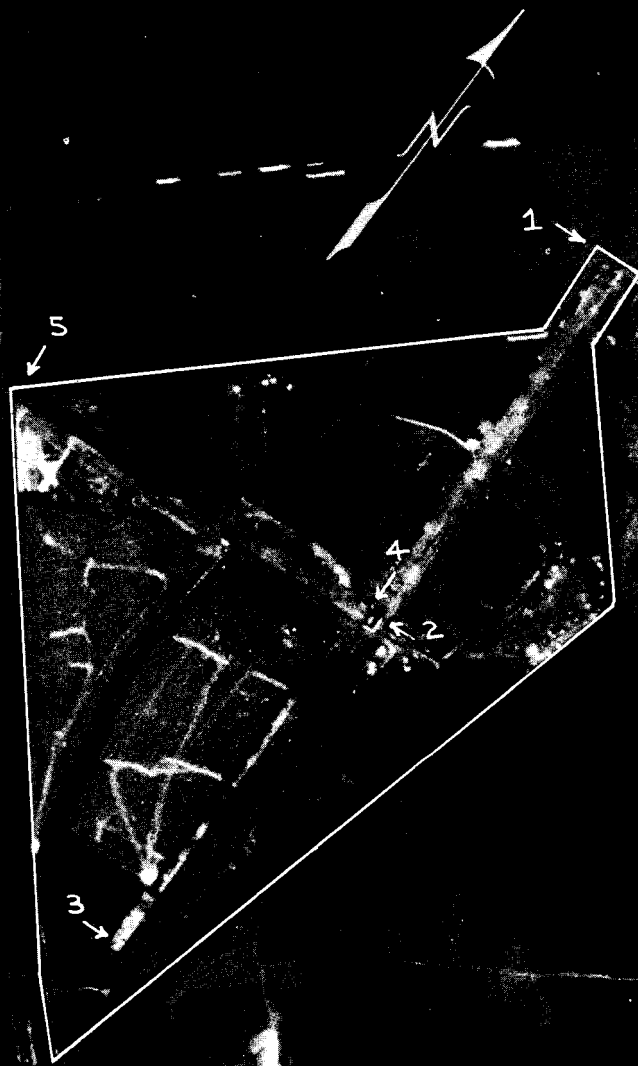
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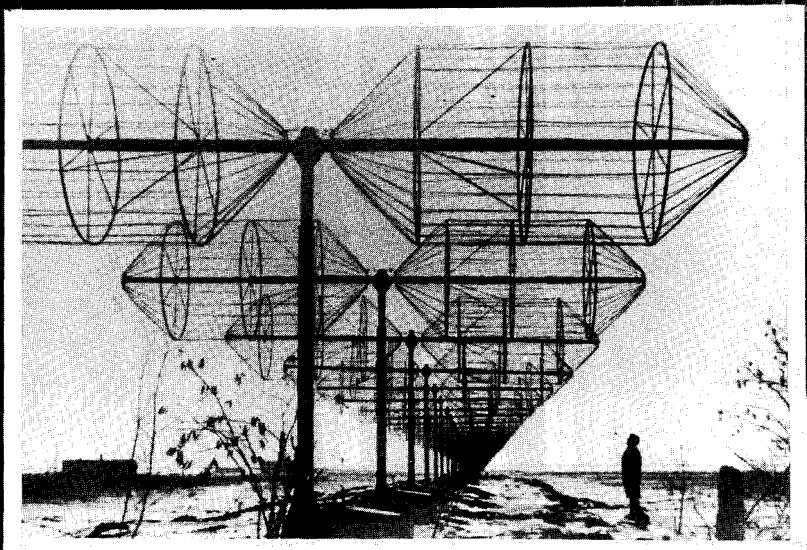
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FIGURE 3



VOLKHOV YAR
RADIOASTRONOMY STATION
Volkhov Yar, USSR
49 37N - 36 57E



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